

eLumen8

CABLE DATASHEET

SPECIFICATION

Description: TOUR RG-59 Coax Cable CX12GB

Type: Coax cable

Versions: CABL629 - Black, 100m length
CABL629B - Black, 300m length
Also available by the metre

CONSTRUCTION



RG-59 style coaxial cable designed for analogue or HD-SDI video signals up to 12Gbps commonly used for high definition video signals in the event production sector. The cable is constructed from a single oxygen-free copper core, protected by both aluminium polyester foil and a tinned oxygen-free copper woven braid designed to reject interference. The cable is finished with a low memory, super flexible outer PVC jacket for the ultimate flexibility.

Conductor: Material - Bare Copper (OFC)
Construction - 1 x 0.81mm \varnothing
Cross section - 0.23mm² (24AWG)

Insulation: Material - Gas Injected Foam Polyethylene (FPE)
Thickness - 1.2mm
Diameter - 3.68mm
Colour - White

Shielding: Material - Aluminum Foil + Tinned Copper (T-OFC)
Construction - Single Layer Aluminium Foil + 144 x 0.12mm (Tinned Oxygen-free Copper Braid)
Coverage - 125% Aluminium Foil + 95% T-OFC

Outer jacket: Material - Soft Polyvinylchloride (PVC)
Thickness - 0.70mm
Diameter - 6.0mm

Reference Attenuation (20°C)

Frequency (MHz)	Max. attenuation (dB/100m)
5	2.2
1000	26.2
2000	238.5
3000	48
4000	56.6
4500	60.3
6000	72.7
12000	121.4

OPERATION TEMP.

-20°C ~ 80°C

ELECTRICAL CHARACTERISTIC

Nominal impedance: 75 Ω

Conductor resistance: 36.7 Ω /km

Nominal velocity of propagation: 84.5%

Nominal capacitance: 50.6pF/m

Return loss: \geq 15dB (5MHz~1.6GHz)
 \geq 12dB (1.6GHz~4.5GHz)
 \geq 5dB (4.5GHz~12GHz)